

APPENDIX B

Provided below is a list of the previously submitted new claims that have been amended by this Reply with strikethrough to indicate deletions and underlining to indicate additions.

48. A machine for breaking up ground comprising:
a frame;
at least a first and second rollable front support;
at least a first and second rollable rear support, at least the first rear support being pivotable about a vertical axis between a retracted position and an extended position with respect to the frame;
at least one driver's cab located in said frame;
a ground breaking device coupled to the frame and configured to contact the ground;
a traction system coupled to the frame and configured to rotate at least one of said rollable supports; and
a ~~maneuvering~~ steering system controllable from said driver's cab and configured to selectively steer the front supports and at least the first rear support at the same time, the ~~maneuvering~~ steering system including
at least one rear hydraulic actuator configured to steer the first rear support,
at least one front hydraulic actuator configured to steer at least one of the first and second front supports, and
an electronic control unit configured to coordinate movement of the at least one rear and at least one front hydraulic actuators.

49. A machine according to claim 48, wherein the ~~maneuvering~~ steering system further includes a first position detector operatively coupled to at least one of the first and second front supports, and a second position detector operatively coupled to at least the first rear support, the electronic control unit configured to electronically communicate with each of the first and second position detectors.

50. A machine according to claim 49, wherein the ~~maneuvering~~ steering system further includes a third position detector configured to determine whether the first rear support is in the retracted position, the third position detector including a ~~microswitch~~ travel switch.

51. A machine according to claim 48, wherein the ~~maneuvering~~ steering system further includes a plurality of position detectors, the electronic control unit configured to coordinate movement of the at least one rear and at least one front hydraulic actuators in response to signals received from the plurality of position detectors.

58. A machine according to claim 48, further comprising a chasis coupled to the first rear support, the chassis[[,]] including a support plate and a yoke member, the yoke member being rotatable relative to said support plate.

61. A machine according to claim 48, further including:
a first valve configured to supply hydraulic fluid to the front actuator;
a second valve controlled by said ~~maneuvering~~ steering system and configured to supply hydraulic fluid to the rear actuator;
a first position detector cooperating with said front actuator;
a second position detector cooperating with said rear actuator;
the electronic control unit cooperating with the ~~maneuvering~~ steering system and configured to operate said rear actuator in response to the steering of the first and second front supports; and
the electronic control unit electrically coupled to said first and second position detectors, to a third position detector configured to determine whether the first rear support is in the retracted position, and to the first and second valves.

62. A method of operating a machine having first and second rollable front supports, and first and second rollable rear supports, comprising:
controllably pivoting the first rear support between a retracted position and an extended position with respect to the a frame of the machine;
controllably contacting a ground breaking device of the machine with the ground;
rotating at least one of the first and second front and rear supports;
steering the first and second front supports;
steering the first rear support in a coordinated manner with the first and second front supports, the pivoting of the first rear support and steering of the first and second front supports and first rear support including actuating a plurality of actuators;
and
controlling at least the pivoting of the first rear support and steering of the first and second front supports and first rear support by an operator positioned in an operator cab.

63. A method according to claim 62, further including providing hydraulic fluid to a first actuator of the plurality of actuators to steer the first rear support.

64. A method according to claim 63, further including controlling the hydraulic fluid provided to the first actuator by an electronic control unit receiving signals from at least a first position detector cooperating with the first actuator, a second position detector cooperating with ~~the a~~ a second actuator of the plurality of actuators, and a third position detector configured to determine whether the first rear support is in the retracted position.

65. A method according to claim 63, further including providing hydraulic fluid to ~~at least one of the first and second front supports~~ a second actuator of the plurality of actuators.

66. A method according to claim 65, further including providing hydraulic fluid to a third actuator of the plurality of actuators to move the first rear support in a vertical direction.

71. A steerable machine for breaking up ground comprising:
a frame;
at least one pair of rollable front supports and at least one pair of rollable rear supports, each of said front and rear supports including a chassis secured to the frame and said each of the front supports being rotatable about a front vertical axis and at least one of the rear supports being pivotable about a first rear vertical axis;
said chassis includes a yoke that supports said rear support, and has a vertical pivot journal coupled to revolve on a support plate fixed to an end of a second actuator;
said second actuator comprises a second hydraulic jack set with a vertical axis, which has a second rod with a second rod end fixed to said plate and a second cylinder end, wherein said rod slides, integral with said frame;
the cylinder of said second hydraulic jack is an integral part of said frame being connected thereto by means of a first articulation for moving said chassis with respect to a fixed point on said frame in order to move the rear ~~rotatable~~ support inward of said frame;
at least one driver's cab located in said frame;
a means for breaking up the ground connected to said frame;
traction means supported by said frame for rotating at least one of said ~~rotatable~~ rollable supports;
at least one first actuator operatively coupled to at least one rear support;
a ~~maneuvering~~ steering system accessible from said driver's cab for operating the first actuator for rotating at least one of said rear supports about a second rear vertical axis while turning the front supports of the machine.

72. A machine according to claim 71, wherein the ~~maneuvering~~ steering system further includes a third hydraulic actuator configured to steer at least one of the front supports, and an electronic control unit configured to coordinate movement of the at least the first and second hydraulic actuators.

73. A machine according to claim 71, wherein the ~~maneuvering~~ steering system further includes a first position detector operatively coupled to at least one of the front supports, a second position detector operatively coupled to at least one of the rear supports, and an electronic control unit configured to electronically communicate with each of the first and second position detectors.

74. A machine according to claim 73, wherein the ~~maneuvering~~ steering system further includes a third position detector configured to determine whether the pivotable rear support is in the retracted position, the third position detector including a microswitch.

76. A machine according to claim 71, wherein the ~~maneuvering~~ steering system is configured to selectively steer the pair of rear supports.

77. A steerable machine for breaking up ground comprising:
a frame;
at least one pair of rollable front supports, said front supports being rotatable about a front vertical axis and front steering means controlled by power steering for steering said front supports;
at least one pair of rollable rear supports, at least one of said rear supports being pivotable about a rear vertical axis and rear steering means controlled by at least one steering hydraulic cylinder for steering said pivotable rear support;
at least one driver's cab located in said frame;
a means for breaking up the ground connected to said frame;
traction means supported by said frame for rotating at least one of said rollable supports;
a ~~maneuvering~~ steering system accessible from said driver's cab for operating said front steering means and said rear steering means at the same time, from said driver's cab, the steering system including a manual steering input device.